

EXHIBIT A

RIGID ANALYSIS OF U.S. PATENT APP. SER. NO. 09/552,818

Claims 10/12 of U.S. Patent App. Ser. No. 09/552,818

Narus Business Infrastructure Platform

10. A system for reconstructing a session, the system comprising:

a packet source, the packet source generating a plurality of packets;

a flow manager coupled to the packet source, the flow manager identifying at least one flow in the plurality of packets;

an application recognizer coupled to the flow manager, the application recognizer identifying an application corresponding to the at least one flow;

The Narus Business Infrastructure Platform is adapted to "reconstruct the traffic in real time, based on an application-level understanding of the IP traffic." (See Appendix A)

"NARUS Analyzers deliver highly optimized data collection services to the platform. Analyzers are subsystems that non-intrusively detect, extract, and characterize in NARUS Virtual Analyzers are lightweight software agents that leverage industry standard protocols, as well as proprietary data formats, to extract information from various network devices and service elements that transmit or terminate traffic." (See Appendix B)

IP traffic is referred to as "packets" in Appendix C.

From this information taken in combination with the related information in the Appendices and an inspection of the system as a whole, it can thus be inferred that the Narus Business Infrastructure Platform includes a packet source, the packet source generating a plurality of packets.

The Narus Business Infrastructure Platform includes "Analyzers [that] access these network elements, retrieve session data, and parse various data formats to generate meaningful usage information." (See Appendix B)

See "NARUS Virtual Analyzers" in Appendix B.

The Narus Business Infrastructure Platform includes a "NetFlow Virtual Analyzer [that] collects NetFlow flows generated by Cisco's NetFlow-enabled routers and switches. Supported versions include v1, v5, v7, and v8." (See Appendix B)

From this information taken in combination with the related information in the Appendices and an inspection of the system as a whole, it can thus be inferred that the Narus Business Infrastructure Platform includes a flow manager coupled to the packet source, the flow manager identifying at least one flow in the plurality of packets.

The Narus Business Infrastructure Platform is adapted to "reconstruct the traffic in real time, based on an application-level understanding of the IP traffic." (See Appendix A)

From this information taken in combination with the related information in the Appendices and an inspection of the system as a whole, it can thus be inferred that the Narus Business Infrastructure Platform includes an application recognizer coupled to the flow manager, the application recognizer identifying an application

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a session streamer coupled to the flow manager, the session streamer identifying a plurality of flows in the plurality of packets corresponding to the session based on the application.

12. The system of claim 10, wherein the application recognizer can identify at least one of a file transfer protocol (FTP), a hypertext transfer protocol (HTTP), a simple mail transport protocol (SMTP), a domain name service (DNS), a telnet protocol, a post office protocol (POP), an Internet message access protocol (IMAP), a network time protocol (NTP), a Net bios protocol, a network news transport protocol (NNTP), a network time protocol (NTP), a simple network management protocol (SNMP), an Internet Relay Chat (IRC) protocol, a H.323 protocol, a voice over IP protocol, a NetMeeting(TM) protocol, a Quicktime(TM) protocol, a server message block (SMB) protocol, a RealAudio(TM) protocol, a real time streaming protocol (RTSP), and a real-time transport protocol (RTP).

corresponding to the at least one flow.

The Narus Business Infrastructure Platform includes "technology to understand the semantics of a user session across all seven layers of the network stack. (See Appendix D)

See "NARUS Semantic Traffic Analyzers" in Appendix B and D.

The Narus Business Infrastructure Platform includes "Analyzers [that] build a statistical repository of essential user session and application activity over time. By using data filtering, transformation, and aggregation techniques, they optimize data collection across all applications and, where applicable, repurpose the collected data for multiple applications." (See Appendix B)

From this information taken in combination with the related information in the Appendices and an inspection of the system as a whole, it can thus be inferred that the Narus Business Infrastructure Platform includes a session streamer coupled to the flow manager, the session streamer identifying a plurality of flows in the plurality of packets corresponding to the session based on the application.

See also Appendix A-D.

"The NARUS Platform is packaged with a variety of Virtual Analyzers, some of which include general-purpose, standards-based agents (e.g. SNMP, Radius and DNS), while others are custom and vendor specific (e.g. Cisco NetFlow, Cisco uOne, Lucent Bulkstat, and CacheFlow)."

From this information taken in combination with the related information in the Appendices and an inspection of the system as a whole, it can thus be inferred that the Narus Business Infrastructure Platform includes an application recognizer that can identify at least one of a file transfer protocol (FTP), a hypertext transfer protocol (HTTP), a simple mail transport protocol (SMTP), a domain name service (DNS), a telnet protocol, a post office protocol (POP), an Internet message access protocol (IMAP), a network time protocol (NTP), a Net bios protocol, a network news transport protocol (NNTP), a network time protocol (NTP), a simple network management protocol (SNMP), an Internet Relay Chat (IRC) protocol, a H.323 protocol, a voice over IP protocol, a NetMeeting(TM) protocol, a Quicktime(TM) protocol, a server message block (SMB) protocol, a RealAudio(TM) protocol, a real time streaming protocol (RTSP), and a real-time transport protocol (RTP).

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